

# Bistra B Nankova

## List of Publications by Citations

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36  
papers

1,147  
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37  
ext. papers

1,241  
ext. citations

4.6  
avg, IF

3.77  
L-index

#	Paper	IF	Citations
36	Enteric bacterial metabolites propionic and butyric acid modulate gene expression, including CREB-dependent catecholaminergic neurotransmission, in PC12 cells--possible relevance to autism spectrum disorders. <i>PLoS ONE</i> , <b>2014</b> , 9, e103740	3.7	130
35	Induction of tyrosine hydroxylase gene expression by a nonneuronal nonpituitary-mediated mechanism in immobilization stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 5937-41	11.5	106
34	Short chain fatty acids regulate tyrosine hydroxylase gene expression through a cAMP-dependent signaling pathway. <i>Molecular Brain Research</i> , <b>2005</b> , 142, 28-38		101
33	Heightened transcription for enzymes involved in norepinephrine biosynthesis in the rat locus coeruleus by immobilization stress. <i>Biological Psychiatry</i> , <b>1999</b> , 45, 853-62	7.9	66
32	Fos-related antigen 2: potential mediator of the transcriptional activation in rat adrenal medulla evoked by repeated immobilization stress. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 5647-53	6.6	53
31	Short chain fatty acids induce TH gene expression via ERK-dependent phosphorylation of CREB protein. <i>Brain Research</i> , <b>2006</b> , 1107, 13-23	3.7	48
30	Transient or sustained transcriptional activation of the genes encoding rat adrenomedullary catecholamine biosynthetic enzymes by different durations of immobilization stress. <i>Neuroscience</i> , <b>1999</b> , 94, 803-8	3.9	48
29	Molecular biology of stress-elicited induction of catecholamine biosynthetic enzymes. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 771, 327-38	6.5	47
28	Stress elicits trans-synaptic activation of adrenal neuropeptide Y gene expression. <i>Molecular Brain Research</i> , <b>1994</b> , 27, 138-44		41
27	Valproic acid regulates catecholaminergic pathways by concentration-dependent threshold effects on TH mRNA synthesis and degradation. <i>Brain Research</i> , <b>2009</b> , 1247, 1-10	3.7	40
26	Multiple signalling pathways exist in the stress-triggered regulation of gene expression for catecholamine biosynthetic enzymes and several neuropeptides in the rat adrenal medulla. <i>Acta Physiologica Scandinavica</i> , <b>1999</b> , 167, 1-9		38
25	Repeated immobilization stress increases the binding of c-Fos-like proteins to a rat dopamine beta-hydroxylase promoter enhancer sequence. <i>Journal of Neurochemistry</i> , <b>1993</b> , 61, 776-9	6	35
24	Molecular regulation of gene expression of catecholamine biosynthetic enzymes by stress: sympathetic ganglia versus adrenal medulla. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1018, 370-7	6.5	34
23	Promoter elements and second messenger pathways involved in transcriptional activation of tyrosine hydroxylase by ionomycin. <i>Molecular Brain Research</i> , <b>1996</b> , 35, 164-72		34
22	Differential regulation of the tyrosine hydroxylase and enkephalin neuropeptide transmitter genes in rat PC12 cells by short chain fatty acids: concentration-dependent effects on transcription and RNA stability. <i>Brain Research</i> , <b>2007</b> , 1132, 42-50	3.7	32
21	Differential effects of stress on gene transcription factors in catecholaminergic systems. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1032, 130-40	6.5	32
20	Stereospecific regulation of tyrosine hydroxylase and proenkephalin genes by short-chain fatty acids in rat PC12 cells. <i>Pediatric Research</i> , <b>2004</b> , 55, 847-54	3.2	28

19	Butyrate, a gut-derived environmental signal, regulates tyrosine hydroxylase gene expression via a novel promoter element. <i>Developmental Brain Research</i> , <b>2005</b> , 160, 53-62		28
18	Induction of adrenal tyrosine hydroxylase mRNA by single immobilization stress occurs even after splanchnic transection and in the presence of cholinergic antagonists. <i>Journal of Neurochemistry</i> , <b>1996</b> , 66, 138-46	6	27
17	Selective in vivo stimulation of stress-activated protein kinase in different rat tissues by immobilization stress. <i>Stress</i> , <b>1998</b> , 2, 289-98	3	25
16	Glucocorticoids elevate GTP cyclohydrolase I mRNA levels in vivo and in PC12 cells. <i>Molecular Brain Research</i> , <b>1997</b> , 48, 251-8		24
15	Nicotinic induction of preproenkephalin and tyrosine hydroxylase gene expression in butyrate-differentiated rat PC12 cells: a model for adaptation to gut-derived environmental signals. <i>Pediatric Research</i> , <b>2003</b> , 53, 113-8	3.2	23
14	Modulation of Immunological Pathways in Autistic and Neurotypical Lymphoblastoid Cell Lines by the Enteric Microbiome Metabolite Propionic Acid. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1670	8.4	19
13	Adrenocorticotrophic hormone (MC-2) receptor mRNA is expressed in rat sympathetic ganglia and up-regulated by stress. <i>Neuroscience Letters</i> , <b>2003</b> , 344, 149-52	3.3	14
12	Effect of exercise on mRNA expression of select adrenal medullary catecholamine biosynthetic enzymes. <i>Journal of Applied Physiology</i> , <b>2002</b> , 93, 463-8	3.7	13
11	Partial blockade of nicotinic acetylcholine receptors improves the counterregulatory response to hypoglycemia in recurrently hypoglycemic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 307, E580-8	6	11
10	Absence of gut microbial colonization attenuates the sympathoadrenal response to hypoglycemic stress in mice: implications for human neonates. <i>Pediatric Research</i> , <b>2019</b> , 85, 574-581	3.2	9
9	Activated ribosomal RNA synthesis in regenerated rat liver upon inhibition of protein synthesis. <i>Molecular Biology Reports</i> , <b>1991</b> , 15, 45-52	2.8	9
8	Multiple pathways in regulation of dopamine beta-hydroxylase. <i>Advances in Pharmacology</i> , <b>1998</b> , 42, 53-6	5.7	7
7	Posttranscriptional regulation of adrenal TH gene expression contributes to the maladaptive responses triggered by insulin-induced recurrent hypoglycemia. <i>Physiological Reports</i> , <b>2015</b> , 3, e12307	2.6	6
6	Role of Ca <sup>2+</sup> in induction of neurotransmitter-related gene expression by butyrate. <i>NeuroReport</i> , <b>2004</b> , 15, 1177-81	1.7	5
5	Nicotinic receptor partial agonists alter catecholamine homeostasis and response to nicotine in PC12 cells. <i>Neuroscience Letters</i> , <b>2012</b> , 516, 212-6	3.3	4
4	Bacteria - derived short chain fatty acids restore sympathoadrenal responsiveness to hypoglycemia after antibiotic-induced gut microbiota depletion. <i>Neurobiology of Stress</i> , <b>2021</b> , 15, 100376	7.6	4
3	Differential Gene Expression of Tyrosine Hydroxylase in Rats Exposed Long-Term to Various Stressors. <i>Advances in Behavioral Biology</i> , <b>2002</b> , 317-320		3
2	Whole genome expression profiling associates activation of unfolded protein response with impaired production and release of epinephrine after recurrent hypoglycemia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172789	3.7	2

- 1 Recurrent Hypoglycemic Stress Differentially Regulates Catecholamine Release and Transmitter Gene Expression **2014**, 190